DIRECT TESTIMONY OF

DWIGHT M. HOLLIFIELD, ASLA

ON BEHALF OF

SOUTH CAROLINA ELECTRIC & GAS COMPANY

DOCKET NO. 2009-327-E

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Dwight M. Hollifield. My business address is 1123 South Church Street, Charlotte, NC 28203.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?

A. I am employed by Pike Electric, Inc. ("Pike Electric") as Director of the Facilities Planning & Siting department ("FPS"). Pike Electric is headquartered in Mt. Airy, North Carolina.

Q. PLEASE BRIEFLY DESCRIBE YOUR EDUCATIONAL BACKGROUND, PROFESSIONAL ASSOCIATIONS, AND BUSINESS EXPERIENCE.

A. I received an AS degree in horticulture from Catawba Valley College in 1967. I have been a registered landscape architect in South Carolina since 1976 and am a member of the American Society of Landscape Architects.

I was employed by Duke Power Company (now known as Duke Energy Carolinas, LLC) and Duke Engineering & Services from July 1967 until May 2002 when Framatome ANP purchased Duke Engineering & Services. While at Duke Power, I led the development of a comprehensive transmission line siting

process that FPS now executes when siting lines for various electrical utility clients, including South Carolina Electric & Gas Company ("SCE&G"). I was directly involved in the expansion of Duke Power's electrical transmission system, particularly as it related to siting and site development planning for substations and transmission lines. As manager of Duke Power's Transmission Siting and Landscape Architecture Department, my responsibilities included siting transmission lines, which involved conducting studies to assess the environmental, cultural resource, land use, and aesthetic effects of those transmission line projects. I had responsibility for obtaining all necessary permits and licenses for new transmission lines.

In 1995, my department moved from Duke Power to Duke Engineering & Services, and we began siting transmission lines for various electric utility clients, primarily in North Carolina, South Carolina and Georgia. We continued to site all new transmission lines for Duke Power.

When Duke Engineering & Services was acquired by Framatome ANP, I served as general manager of Framatome's Facilities Planning & Siting Department, and siting transmission lines and electrical substations continued to be our primary service offering. Framatome's Facilities Planning & Siting Department continued to site lines for Duke Power and for many other clients, including SCE&G.

In 2005, two business associates and I acquired my department from Framatome ANP and organized it as a limited liability company named Facilities

Planning & Siting, LLC. I served as president of Facilities Planning & Siting, LLC until June 30, 2009, when we were acquired by Pike Electric. While operating as a limited liability company and now as a department within Pike Electric, our primary service offering was, and continues to be, the siting, permitting and licensing of electrical transmission lines and substations.

From 1990 until 2002, I represented Duke Energy on the Edison Electric Institute's Siting and Environmental Planning Task Force. In 1991, I was appointed to and served on the North Carolina Utilities Commission Rulemaking Committee that drafted Rule R8-62, which is used by the Commission to administer the provisions of North Carolina's Transmission Line Siting Act.

Since 1987, I have participated in and managed the successful siting and permitting of more than 175 transmission lines, virtually all of which are located in North and South Carolina.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

A. The purpose of my testimony is to discuss the transmission line siting methodology that SCE&G, in collaboration with Facilities Planning & Siting, LLC, utilized when choosing the route for the Pritchardville 115 kV Line. My company collected, mapped and analyzed extensive information regarding environmental, land use, cultural resource, and visual effects of the proposed Pritchardville 115 kV Line and the proposed Pritchardville 115-23 kV Substation ("Pritchardville Substation").

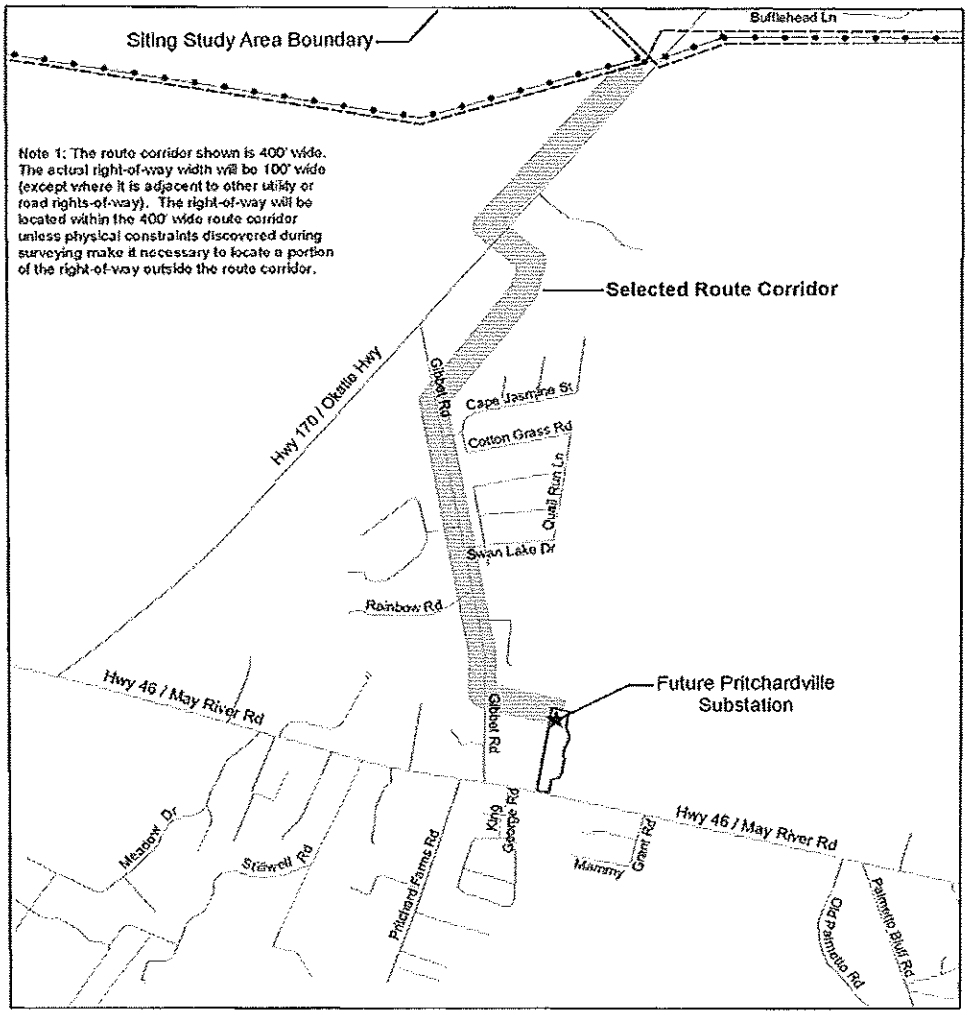
Q. DO YOU HAVE ANY DOCUMENTS THAT SUPPORT OR ILLUSTRATE YOUR TESTIMONY?

A. Yes. As SCE&G's siting and project permitting consultant, I am the author of the *Siting and Environmental Report for the Pritchardville 115-23 kV Substation and 115 kV Line* ("Report"), which is attached as Exhibit No. ___ (DMH-1) to my testimony. This report details the need for the Pritchardville 115 kV Line and Pritchardville Substation, the process by which SCE&G selected the route for the 115 kV Line, and the research and studies conducted regarding the environmental, land use, cultural resource, and visual effects of the future Pritchardville 115 kV Line and Pritchardville Substation.

Q. PLEASE DESCRIBE THE PRITCHARDVILLE 115 KV LINE ROUTE AND THE REPORT'S CONCLUSION ABOUT THE SELECTION OF THIS ROUTE.

A. The Pritchardville 115 kV Line will connect to SCE&G's existing Hardeeville-Bluffton 115 kV Line near South Carolina Highway 170. From the connection point, the line runs in a southwest direction and parallel to South Carolina Highway 170 toward the Highway 170-Gibbet Road intersection for approximately 0.5-miles. Before reaching the Highway 170-Gibbet Road intersection, the line route turns approximately 90 degrees, crosses Highway 170 and runs for approximately 0.3-miles in a southeast direction. It turns and runs approximately 0.45-miles in southwestern direction across Gibbet Road to a point south of the Highway 170-Gibbet Road intersection where it turns and runs with Gibbet Road for

approximately 0.9-miles. At a point approximately 0.2-miles north of the Gibbet Road-South Carolina Highway 46 intersection, the line route turns and runs in an easterly direction across Gibbet Road for approximately 0.25-miles to the new Pritchardville substation. The line route is approximately 2.4 miles long and is shown in the map below.


Siting Study Area Boundary
Bufflehead Ln
Note 1: The route corridor shown is 400' wide. The actual right-of-way width will be 100' wide (except where it is adjacent to other utility or road rights-of-way). The right-of-way will be located within the 400' wide route corridor unless physical constraints discovered during surveying make it necessary to locate a portion of the right-of-way outside the route corridor.
Selected Route Corridor
Hwy 170 / Okatie Hwy
Gibbet Rd
Cape Jasmine St
Cotton Grass Rd
Quail Run Ln
Swan Lake Dr
Rainbow Rd
Hwy 46 / May River Rd
Future Pritchardville Substation
Gibbet Rd
Meadow Dr
Stiwell Rd
Pritchard Farms Rd
King George Rd
Mammy Grant Rd
Hwy 46 / May River Rd
Old Palmetto Rd
Palmetto Bluff Rd
Siting Study Area Map
Showing Selected Route Corridor Location
For The Future
Pritchardville 115 kV Transmission Line
Beaufort County, South Carolina
SCE&G
Legend
Roads
SCE&G Transmission Lines
Santee-Cooper Transmission Lines
Pritchardville Substation Lot
Siting Study Area Boundary
Selected Route Corridor

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SCE&G conducted a comprehensive line siting study to determine the route for the Pritchardville 115 kV Line. A siting project area was delineated that included the entire geographic area through which any practical route connecting the Hardeeville-Bluffton 115 kV Line and the site purchased for the Pritchardville Substation would pass. Data was collected to characterize the project area and to identify any environmental, land use, or cultural resource factors that should be taken into consideration during the siting study. After mapping an array of data, receiving input from the community, local officials, and developers, and conducting a quantitative and qualitative analysis and a comprehensive cost estimate, SCE&G selected the above-described route which runs partly along Gibbet Road because this route minimizes the overall impact of the Pritchardville 115 kV Line. The following reasons support this selection:

1. The selected route complies with existing land use, future land use, and environmental considerations while remaining within a justifiable range of estimated cost.
2. The selected route avoids the development entrance/intersection area of Highway 170-Gibbet Road, thereby minimizing conflicts with future development plans and design considerations.
3. The selected route incorporates an agreement between Palmetto Electric Cooperative, Inc. ("Palmetto") and SCE&G whereby Palmetto will bury an existing electrical distribution line running along Gibbet Road to provide

room for the Pritchardville 115 kV Line, thereby minimizing right-of-way needs and effectively neutralizing visual effects to residential properties.

4. The selected route ranks "excellent" in an SCE&G engineering evaluation of the 13 alternate routes on the basis of accessibility for construction, operation, and long-term right-of-way maintenance. Routes received either an "excellent," "good," "fair," or "poor" in the accessibility category.

5. The selected route produces no increased environmental impacts.

Based on my experience with conducting comparative evaluations of alternate transmission line routes through the application of quantified and qualitative environmental, land use, cultural resource, and visual resource factors, SCE&G's selection of the chosen route for the Pritchardville 115 kV Line was proper.

Q. WHAT WILL BE THE VISUAL EFFECTS OF THE PRITCHARDVILLE 115 KV LINE?

A. The Pritchardville 115 kV Line will only be visible from residences where it runs near Gibbet Road. The visual effects from this portion of the new line are mitigated by SCE&G's agreement with Palmetto Electric Cooperative, Inc., whereby Palmetto agreed to bury its existing electrical distribution line, which allowed SCE&G to significantly minimize its required right-of-way along Gibbet Road and minimize vegetative removal. The judicious retention of vegetation helped minimize visual effects of the new line. Moreover, the net visual effect of the new SCE&G line is significantly mitigated along Gibbet Road by the replacement of one overhead

electrical line (Palmetto's electrical distribution line) with SCE&G's electrical transmission line. The visual effects that were associated with Palmetto's electrical distribution line are similar to the visual effects of SCE&G's line.

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes.